Attunity Connect Installation Guide

HP (Compaq) NonStop Himalaya Platforms

Version 4.1

ATTUNITY

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HP (Compaq) NonStop Installation

Requirements

The following are the hardware and software you need in order to run Attunity Connect with the HP (Compaq) NonStop system.

Hardware HP (Compaq) NonStop Himalaya K- and S- series servers

Software **Operating system** – NonStop Kernel operating system Release D42 or later or Release G04 or later

Communications – TCP/IP

Supported data sources – Enscribe, SQL/MP, ODBC, and XML data sources

Transaction processing – TM/MP (TMF). TMF is required when using the HP (Compaq) NonStop machine as a client and using transactions, or whenever the Attunity Connect general utility command program (NAVUTIL) is used.

Pre-Installation

▶ **To set up the installation of Attunity Connect:**

1. Make sure that the installation file is located in the AC4100 subvolume. If necessary copy the file to this subvolume.

2. Make this subvolume the current subvolume (using the command: `volume` *subvolume*).

3. Make the installation file executable by issuing the following command:

   ```
   fup alter filename, code 700
   ```

   where *filename* is the name of the installation file. For example:

   ```
   fup alter ac4100t, code 700
   ```

   ❖ You can check that this file exists with the proper attributes by issuing the command: fup info *filename*

4. Set up the TACL environment for the installation by issuing the following command:

   ```
   #set #informat tacl
   ```

5. Extract the contents of the installation file to the version-specific subvolume by issuing the following command:

```
run filename *.*.*, vol vol.version_subvol[, myid]
```

where **myid** gives restored files to the user ID running Restore (Attunity Connect uses the NonStop native Backup and Restore mechanism).

For example:

```
run ac4100t *.*.*, vol $d0117.ac4100
```

❖ You must specify the volume and subvolume in the RUN command to ensure proper extraction of the archive. It is recommended that the volume used does not contain any other files, before extracting the contents of the installation file.

Upgrade Installation

When upgrading Attunity Connect, before doing the installation, backup Attunity Connect repository entries, as follows:

```
NAV_UTIL EXPORT ALL SYS out.xml
```

where *out.xml* is the name of an XML file where the SYS definitions will be written.

Run the following for every data source accessed by Attunity Connect:

```
NAV_UTIL EXPORT ALL dsname dsout.xml
```

where *dsname* is a data source name, as defined in the binding configuration and *dsout.xml* is the name of an XML file where the data source definitions will be written.

There are two types of upgrade installation:

- An upgrade installation that overwrites the old version.
    - ❖ You must upgrade all client machines as well as the server machine.
- An upgrade installation that saves the old version, **allowing you to use client machines with a previous version of Attunity Connect**.

These different upgrade installations are described in the following sections.

Upgrading and Overwriting the Old Version

To upgrade the version of Attunity Connect on both server and client machines, you must prevent all users from running the Attunity Connect server during the upgrade installation.

❖   Backup Attunity Connect software before installing the new version.

Upgrading a Server While Saving the Old Version

If you want to upgrade the server version of Attunity Connect while keeping the client machines with a previous version, install the new version of Attunity Connect in a directory other than that of the existing version.

Installation

To install Attunity Connect, issue the following command from the AC4100 subvolume:

```
run NAVINST
```

Follow the installation procedure to install Attunity Connect.

The following is an example of the installation prompts displayed during an installation.

```
The Attunity Connect software will be installed in subvolume
$D0117.NAVROOT (=NAVROOT).

Please confirm – Y-es / N-o / E-xit(Y)
```

To install Attunity Connect in the subvolume of choice confirm No. You can then use the format *physical_volume.subvolume* to specify the location. The environment variable NAVROOT will point to this subvolume.

❖   Do not include the name of the machine (that is, *machine.volume.subvolume*).

❖   If you already have an older version of Attunity Connect installed, which you want to keep, confirm No at the prompt and then specify the new volume and subvolume.

Attunity Connect supports English and Japanese. Using the Multibyte Character Set (MBCS), Attunity Connect-based applications can be written to access data stored in Japanese or other MBCS-based alphabets. English is the default language for Attunity Connect.

```
ENTER Workspace Account:
```

The account name is the user account under which Attunity Connect servers will run. The value updates the AnonymousClientAccount parameter for the IRPCD daemon configuration.

The account should be specified in the Groupname.Username format. For example: DEV.BILL

You can change the account after installation. For more information, see details about the Workspace in *Attunity Connect Reference*.

```
Adding and updating Attunity Connect's configuration on this machine, from
a remote Attunity administration console, can only be done by someone
defined as an administrator for Attunity Connect on this machine.

Enter a valid user name for an Attunity Connect administrator [All]:
```

In order to manage Attunity Connect on this machine from Attunity Connect Studio, you need to enter a user account of a user who will have administrative authorization, or press Enter to enable any user to administer Attunity Connect on this machine. The administrative rights can be changed from within Attunity Connect Studio after the installation or on this machine using NAV_UTIL ADD_ADMIN as described in *Attunity Connect Reference*.

Attunity Connect should now successfully install on the system. If the installation procedure fails, contact Attunity Connect support.

Post-Installation

The following procedures are performed after a successful installation to configure Attunity Connect:

- Configuring a HP (Compaq) NonStop Account to Run Attunity Connect
- Configuring a Pathway Server to Use Attunity Connect
- Starting the Daemon
- Registering Attunity Connect
- Setting the Language

Additionally, if the installation is an upgrade from a previous version, the following upgrade procedure is performed:

- Upgrading Attunity Connect from the Previous Version

Configuring a HP (Compaq) NonStop Account to Run Attunity Connect

Attunity Connect supplies a procedure, NAVLOGIN, that defines the default Attunity Connect environment when Attunity Connect runs. Before running Attunity Connect, you need to move to the NAVROOT

subvolume and run the NAVLOGIN script. Attunity recommends that you run this script automatically upon logging on to the system. You can do this by inserting the following line in the TACLCSTM or TACLLOCL file:

```
run volumename.subvolumename.navlogin
```

If you want site-dependent variables to be included in the Attunity Connect environment, create a HP (Compaq) NonStop server environment configuration in the NAVROOT subvolume. For details, see "HP (Compaq) NonStop Server Environment File" in *Attunity Connect Reference*.

Configuring a Pathway Server to Use Attunity Connect

Set the following in PATHCOM to enable running COBOL programs to access a data source in a Pathway server:

```
set server param save-environment on
```

```
set server param navroot
```

Where *navroot* is the subvolume where Attunity Connect is installed.

Starting the Daemon

Start the daemon by issuing the following command:

```
run irpcd start
```

❖   Start the daemon under super.super. If not run from super.super, problems can occur.

If you are starting the Attunity Connect daemon and you are not using the default IP address (for example, when the machine has more than one IP address), add the following DEFINE:

```
ADD DEFINE =TCPIP^PROCESS^NAME,FILE tcpip_proc_name
```

For example, where the *tcpip_proc_name* is $ztc0 and corresponds to the IP address 194.90.22.23. When starting the daemon, use the -l option. For example:

```
run irpcd -l 194.90.22.23:2551 start
```

For details of the daemon, see *Attunity Connect Reference*.

❖   If you get an error when starting the daemon, check the results of the TACL command "#defaults". If it returns a node name, remove it using the TACL command "#system".

Registering Attunity Connect

You need to register the copy of Attunity Connect before you can access data sources on this machine, other than Attunity Connect demo data. To use Attunity Connect you must have a Product Authorization Key (PAK) file, called *licenspk*. A PAK is normally supplied by the Attunity

Connect vendor. It contains details such as the product expiration date (if any), the maximum number of concurrent sessions allowed, which drivers you are authorized to use, and other information. The PAK is supplied to you in electronic form, and you must register it before you can use the product.

❖ If you upgraded a previous version of Attunity Connect, a new license is automatically registered.

▶ **To register a Product Authorization Key:**

1. Save the license to a file other than licenspk (such as lcnstxt). This prevents the current license from being manually overwritten.

2. Make sure that NAVLOGIN has been run (see "Configuring a HP (Compaq) NonStop Account to Run Attunity Connect" on page 4).

3. Move to the NAVROOT subvolume and run the following:

   ```
   nav_util register license
   ```

   where *license* is the full name of the license file (*volume.subvolume.license*).

   You now have the new license file (licnspk) residing under the subvolume where you installed Attunity Connect.

This procedure registers a new license or updates an existing license on this machine.

You can display the license details by running the following command:

```
nav_util check license
```

The following type of information is returned:

```
Active licensed items are:

APIs: All
Providers: All
Features: All
Options: None
Concurrent Users: 100
```

❖ You can register this machine from a PC by running the following:

```
nav_util register license daemon_location
```

where *daemon_location* is the location of the HP (Compaq) NonStop machine.

Setting the Language   National Language Support (NLS) is provided by Attunity Connect for the following languages:

- English (the default)
- Hebrew
- Japanese
- Korean
- Simple Chinese
- Traditional Chinese

The language is specified via the following Attunity Connect environment settings:

- language
- codepage

For full details of NLS, refer to "National Language Support (NLS)" in *Attunity Connect Reference*.

▶ **To define the language and codepage environment settings:**

1. Run the following command:

   ```
   navedit bindings
   ```

   The XML representation of the Attunity Connect binding information is displayed, including some XML similar to the following:

   ```
   <environment name='NAV'>
     <misc codePage='' language=''/>
     <queryProcessor/>
     <optimizer goal='none' preferredSite='server'/>
     <transactions/>
     <odbc/>
     <oledb/>
     <tuning/>
   </environment>
   ```

2. In the language field (bolded in the above XML), specify one of the following for the language required:

   JPN – Japanese

   KOR – Korean

   SCHI – Simple Chinese

   TCHI – Traditional Chinese

3. Optionally, in the codePage field (bolded in the above XML), specify the codepage required.

You can skip this step, and just specify a language (see the previous step). In this case, a default codepage is used. The following shows the default codepages:

JPN – JA16SJIS

KOR – KO16KSC5601

SCHI – ZHS16CGB231280

TCHI – ZHT16BIG5

The following table lists the supported codepages according to language:

Language	Supported Codepage Values	Description
Japanese	JA16SJIS or SJIS	Shift-JIS 16-bit
	JA16EUC or EUC	EUC 16-bit
	JA16VMS or SDECK	Super DEC Kanji (EUC+) 16-bit
Korean	KO16KSC5601	KSC5601 16-bit
Simple Chinese	ZHS16CGB231280	16-bit Simple Chinese
Traditional Chinese	ZHT16BIG5	BIG5 16-bit Traditional Chinese

Upgrading Attunity Connect from the Previous Version

Import all the XML files exported prior to doing the installation, as described in "Upgrade Installation" on page 2. Run:

```
NAVUTIL IMPORT xml_file_name
```

where *xml_file_name* is the name of an XML file where the exported information was written.